

Certificate of Mailing	
Date of Deposit <u>April 5, 2001</u>	Label Number: <u>EL509049565US</u>
I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.	
<u>Guy E. Beardsley</u> Printed name of person mailing correspondence	<u>Guy E. Beardsley</u> Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vassilis I. Zannis et al. Art Unit: Not Yet Assigned  
Serial No.: Not Yet Assigned Examiner: Not Yet Assigned  
Filed: April 5, 2001 Customer No.: 21559  
Title: COMPOUNDS AND METHODS FOR LOWERING CHOLESTEROL  
LEVELS WITHOUT INDUCING HYPERTRIGLYCERIDEMIA

Assistant Commissioner For Patents  
Washington, DC 20231

SUBMISSION OF SEQUENCE STATEMENT

In order to complete the application, the applicant encloses:

- ☒ An initial paper copy of the sequence listing Applicant hereby requests that it be entered into the specification by insertion at the end of the application.
- ☒ An initial copy of the sequence listing in computer readable form.
- ☒ A statement that the contents of the paper and computer readable copies are the same and contain no new matter.

If there are any charges, or any credits, please apply them to Deposit Account

No. 03-2095.

Respectfully submitted,

Date:

April 5, 2001

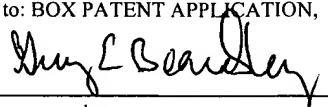
Patil T. Clark  
Reg. No. 30,162

Clark & Elbing LLP  
176 Federal Street  
Boston, MA 02110  
Telephone: 617-428-0200  
Facsimile: 617-428-7045



21559  
PATENT TRADEMARK OFFICE

03-2095-040501

Certificate of Mailing	
Date of Deposit <u>April 5, 2001</u>	Label Number: <u>EL509049565US</u>
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<u>Guy E. Beardsley</u> Printed name of person mailing correspondence	 Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Vassilis I. Zannis et al.	Art Unit:	Not Yet Assigned
Serial No.:	Not Yet Assigned	Examiner:	Not Yet Assigned
Filed:	April 5, 2001	Customer No.:	21559

Title: COMPOUNDS AND METHODS FOR LOWERING CHOLESTEROL LEVELS WITHOUT INDUCING HYPERTRIGLYCERIDEMIA

Assistant Commissioner For Patents  
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. § 1.821

As part of the patent application filed herewith, enclosed is a sequence listing in accordance with the requirements of 37 C.F.R. §§ 1.821 through 1.825 and consisting of 14 pages.

As required by 37 C.F.R. § 1.821(c), the sequence listing appears as a separate part of the application and is found after the Combined Declaration and Power of Attorney. Each sequence in the application appears separately in the sequence listing. And each sequence in the sequence listing is assigned a separate sequence identifier.

As required by 37 C.F.R. § 1.821(d), the sequence identifiers are used throughout the application description and claims to refer to their respective sequences.

As required by 37 C.F.R. § 1.821(e), enclosed is a diskette containing a copy of the sequence listing in computer readable form.

09827854-040504

As required by 37 C.F.R. § 1.821(f), I hereby state that the contents of the computer readable form are the same as the contents of the paper copy.

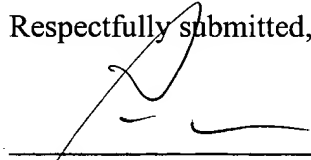
As required by 37 C.F.R. § 1.821(g), I hereby state that this submission contains no new matter.

If there are any charges, or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date:

April 5, 2001

  
Paul T. Clark  
Reg. No. 30,162

Clark & Elbing LLP  
176 Federal Street  
Boston, MA 02110  
Telephone: 617-428-0200  
Facsimile: 617-428-7045

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PATENT TRADEMARK OFFICE

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Kypreos, Kyriakos E.

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 ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360  
 accccgggtg cggaggagac gcgggcacgg ctgtccaagg agctgcaggc ggcgaggcc 420  
 cggctgggcg cggacatgga ggacgtgtgc ggccgcctgg tgcagtaccg cggcgagggtg 480  
 caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgctc ccacctgcgc 540  
 aagctgcgta agcggctcct ccgcgatgcc gatgacctgc agaagcgctt ggcagtgtac 600  
 caggccgggg cccgcgaggg cgccgagcgc ggctcagcg ccatccgcga gcgcctgggg 660  
 cccctggtgg aacaggggccg cgtgcgggccc gccactgtgg gctccctggc cggccagccg 720  
 ctacaggagc gggcccaggg ctggggcgag cggctgcgcg cgcggatgga ggagatgggc 780  
 agccggaccc gcgaccgcct ggacgaggtg aaggagcagg tggcgagggt gcgcgccaaag 840  
 ctggaggagc agggccagca gatacgctg caggccgagg ccttccaggc ccgcctcaag 900  
 agctgggttc agcccctggt ggaagacatg cagcgccagt gggccgggct ggtggagaag 960  
 gtgcaggctg ccgtgggcac cagcgccgcc cctgtgcccc gcgacaatca ctgaacgccg 1020

aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgcctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<210> 9  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<400> 9						
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atgaagggttc	tgtgggctgc	gttgctggtc	acattcctgg	caggatgcca	ggccaagggtg	120
gagcaagcgg	tggagacaga	gccggagccc	gagctgcgcc	agcagaccga	gtggcagagc	180
ggccagcgct	gggaactggc	actgggtcgc	ttttgggatt	acctgcgctg	ggtgcagaca	240
ctgtctgagc	aggtgcagga	ggagctgctc	agctcccagg	tcaccagga	actgagggcg	300
ctgatggacg	agaccatgaa	ggagttgaag	gcctacaaat	cggaaactgga	ggaacaactg	360
accccggtgg	cggaggagac	gcgggcacgg	ctgtccaagg	agctgcaggc	ggcgcaggcc	420
cggctggggcg	cggacatgga	ggacgtgtgc	ggccgcctgg	tgcagtaccg	cggcgagggtg	480
caggccatgc	tcggccagag	caccgaggag	ctgcgggtgc	gcctcgctc	ccacctgcgc	540
aagctgcgta	agcggctcct	ccgcgatgcc	gatgacctgc	agaagtgcct	ggcagtgtac	600
caggccggggg	cccgcgaggg	cgccgagcgc	ggcctcagcg	ccatccgcga	gcgcctgggg	660
cccctggtgg	aacagggccg	cgtgcggggc	gccactgtgg	gctccctggc	cggccagccg	720
ctacaggagc	gggcccaggc	ctggggcgag	cggctgcgcg	cgcggatgga	ggagatgggc	780
agccggaccc	gcgaccgcct	ggacgaggtg	aaggagcagg	tggcggaggt	gcgcgccaag	840
ctggaggagc	aggcccagca	gatacgctg	caggccgagg	ccttccaggc	ccgcctcaag	900
agctgggttcg	agccccctggt	ggaagacatg	cagcgccagt	gggcccgggt	ggtggagaag	960
gtgcaggctg	ccgtgggcac	cagcgccgcc	cctgtgccca	gcgacaatca	ctgaacgccg	1020
aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgcctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<210> 10  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<400> 10						
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gagcaagcgg	tggagacaga	gccggagccc	gagctgcgcc	agcagaccga	gtggcagagc	180
ggccagcgct	gggaactggc	actgggtcgc	ttttgggatt	acctgcgctg	ggtgcagaca	240
ctgtctgagc	aggtgcagga	ggagctgctc	agctcccagg	tcaccagga	actgagggcg	300
ctgatggacg	agaccatgaa	ggagttgaag	gcctacaaat	cggaaactgga	ggaacaactg	360
accccggtgg	cggaggagac	gcgggcacgg	ctgtccaagg	agctgcaggc	ggcgcaggcc	420
cggctggggcg	cggacatgga	ggacgtgtgc	ggccgcctgg	tgcagtaccg	cggcgagggtg	480
caggccatgc	tcgaccagag	caccgaggag	ctgcgggtgc	gcctcgctc	ccacctgcgc	540
aagctgcgta	agcggctcct	ccgcgatgcc	gatgacctgc	agaagtgcct	ggcagtgtac	600
caggccggggg	cccgcgaggg	cgccgagcgc	ggcctcagcg	ccatccgcga	gcgcctgggg	660
cccctggtgg	aacagggccg	cgtgcggggc	gccactgtgg	gctccctggc	cggccagccg	720
ctacaggagc	gggcccaggc	ctggggcgag	cggctgcgcg	cgcggatgga	ggagatgggc	780
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gtgcaggctg	ccgtgggcac	cagcgccgcc	cctgtgccca	gcgacaatca	ctgaacgccg	1020
aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgcctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<210> 11  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<400> 11  
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 gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180  
 ggccagcgct ggggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240  
 ctgtctgagc aggtgcagga ggagctgctc agctcccagg tcaccagga actgagggcg 300  
 ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360  
 accccggttg cggaggagac gcgggcacgg ctgtccaagg agctgcaggc ggcgaggcc 420  
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 caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgctc ccacctgcgc 540  
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 caggccggggg cccgcgaggg cgccgagcgc ggccctcagc ccatccgcga gcgcctgggg 660  
 cccctggttg aacaggggccg cgtgcggggc gccactgtgg gctccctggc cggccagccg 720  
 ctacaggagc gggcccaggc ctggggcgag cggctgcgcg cgcgatgga ggagatgggc 780  
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 gtgcaggctg ccgtgggcac cagcgccgcc cctgtgccca gcgacaatca ctgaacgccg 1020  
 aagcctgcag ccatgcgacc ccacgccacc ccgtgcctcc tgctccgcg cagcctgcag 1080  
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 tcaccaagtt tcacgc 1156

<210> 12  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<400> 12  
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 gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180  
 ggccagcgct ggggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240  
 ctgtctgagc aggtgcagga ggagctgctc agctcccagg tcaccagga actgagggcg 300  
 ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360  
 accccggttg cggaggagac gcgggcacgg ctgtccaagg agctgcaggc ggcgaggcc 420  
 cggctgggcg cggacatgga ggacgtgtgc ggccgcctgg tgcagtaccg cggcgagggtg 480  
 caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgctc ccacctgcgc 540  
 aagctgcgct agcggctcct ccgcgatgcc gatgacctgc agaagcgctt ggcagtgtac 600  
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 aagcctgcag ccatgcgacc ccacgccacc ccgtgcctcc tgctccgcg cagcctgcag 1080  
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 tcaccaagtt tcacgc 1156

<210> 13  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 13  
 Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys  
 1 5 10 15  
 Gln Ala

<210> 14  
 <211> 317  
 <212> PRT  
 <213> Homo sapiens

<400> 14  
 Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys  
 1 5 10 15  
 Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu  
 20 25 30  
 Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu  
 35 40 45  
 Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln  
 50 55 60  
 Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala  
 65 70 75 80  
 Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu  
 85 90 95  
 Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser  
 100 105 110  
 Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp  
 115 120 125  
 Val Arg Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu  
 130 135 140  
 Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg  
 145 150 155 160  
 Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg  
 165 170 175  
 Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu  
 180 185 190  
 Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val  
 195 200 205  
 Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg  
 210 215 220  
 Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly  
 225 230 235 240  
 Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu  
 245 250 255  
 Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala  
 260 265 270  
 Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu  
 275 280 285  
 Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala  
 290 295 300  
 Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His  
 305 310 315

<210> 15  
 <211> 317  
 <212> PRT

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<213> Homo sapiens

<400> 15

Met	Lys	Val	Leu	Trp	Ala	Ala	Leu	Leu	Val	Thr	Phe	Leu	Ala	Gly	Cys
1				5					10					15	
Gln	Ala	Lys	Val	Glu	Gln	Ala	Val	Glu	Thr	Glu	Pro	Glu	Pro	Glu	Leu
			20					25					30		
Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu
			35				40					45			
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln
	50					55				60					
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala
65					70					75				80	
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu
				85					90					95	
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser
			100					105					110		
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp
			115				120					125			
Val	Cys	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu
130						135					140				
Gly	Gln	Ser	Thr	Glu	Glu	Leu	Arg	Val	Arg	Leu	Ala	Ser	His	Leu	Arg
145					150					155				160	
Lys	Leu	Arg	Lys	Arg	Leu	Leu	Arg	Asp	Ala	Asp	Asp	Leu	Gln	Lys	Arg
				165				170						175	
Leu	Ala	Val	Tyr	Gln	Ala	Gly	Ala	Arg	Glu	Gly	Ala	Glu	Arg	Gly	Leu
			180				185						190		
Ser	Ala	Ile	Arg	Glu	Arg	Leu	Gly	Pro	Leu	Val	Glu	Gln	Gly	Arg	Val
			195				200					205			
Arg	Ala	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg
210					215						220				
Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly
225					230					235				240	
Ser	Arg	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu
				245				250						255	
Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala
			260				265						270		
Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu
			275				280				285				
Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala
290					295						300				
Val	Gly	Thr	Ser	Ala	Ala	Pro	Val	Pro	Ser	Asp	Asn	His			
305				310						315					

<210> 16

<211> 317

<212> PRT

<213> Homo sapiens

<400> 16

Met	Lys	Val	Leu	Trp	Ala	Ala	Leu	Leu	Val	Thr	Phe	Leu	Ala	Gly	Cys
1				5					10					15	
Gln	Ala	Lys	Val	Glu	Gln	Ala	Val	Glu	Thr	Glu	Pro	Glu	Pro	Glu	Leu
			20					25					30		
Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu
			35				40					45			
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln

50	55	60																	
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala				
65					70					75					80				
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu				
				85					90					95					
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser				
			100					105					110						
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp				
	115						120					125							
Val	Cys	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu				
130						135					140								
Gly	Gln	Ser	Thr	Glu	Glu	Leu	Arg	Val	Arg	Leu	Ala	Ser	His	Leu	Arg				
145					150					155					160				
Lys	Leu	Arg	Lys	Arg	Leu	Leu	Arg	Asp	Ala	Asp	Asp	Leu	Gln	Lys	Cys				
			165						170					175					
Leu	Ala	Val	Tyr	Gln	Ala	Gly	Ala	Arg	Glu	Gly	Ala	Glu	Arg	Gly	Leu				
			180					185					190						
Ser	Ala	Ile	Arg	Glu	Arg	Leu	Gly	Pro	Leu	Val	Glu	Gln	Gly	Arg	Val				
	195						200					205							
Arg	Ala	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg				
210					215						220								
Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly				
225				230						235					240				
Ser	Arg	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu				
			245						250					255					
Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala				
			260					265					270						
Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu				
	275						280					285							
Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala				
290					295						300								
Val	Gly	Thr	Ser	Ala	Ala	Pro	Val	Pro	Ser	Asp	Asn	His							
305				310						315									

<210> 17  
 <211> 317  
 <212> PRT  
 <213> Homo sapiens

<400> 17

Met	Lys	Val	Leu	Trp	Ala	Ala	Leu	Leu	Val	Thr	Phe	Leu	Ala	Gly	Cys
1			5						10					15	
Gln	Ala	Lys	Val	Glu	Gln	Ala	Val	Glu	Thr	Glu	Pro	Glu	Pro	Glu	Leu
	20							25				30			
Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu
	35					40					45				
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln
50					55				60						
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala
65				70					75					80	
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu
			85					90					95		
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser
	100							105				110			
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp
	115					120					125				
Val	Cys	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu

130	135	140
Asp Gln Ser Thr Glu	Glu Leu Arg Val Arg	Leu Ala Ser His Leu Arg
145	150	155
Lys Leu Arg Lys Arg	Leu Leu Arg Asp Ala	Asp Asp Leu Gln Lys Cys
165	170	175
Leu Ala Val Tyr Gln	Ala Gly Ala Arg	Glu Gly Ala Glu Arg Gly Leu
180	185	190
Ser Ala Ile Arg Glu	Arg Leu Gly Pro Leu	Val Glu Gln Gly Arg Val
195	200	205
Arg Ala Ala Thr Val	Gly Ser Leu Ala Gly	Gln Pro Leu Gln Glu Arg
210	215	220
Ala Gln Ala Trp Gly	Glu Arg Leu Arg Ala	Arg Met Glu Glu Met Gly
225	230	235
Ser Arg Thr Arg Asp	Arg Leu Asp Glu Val	Lys Glu Gln Val Ala Glu
245	250	255
Val Arg Ala Lys Leu	Glu Glu Gln Ala Gln	Gln Ile Arg Leu Gln Ala
260	265	270
Glu Ala Phe Gln Ala	Arg Leu Lys Ser Trp	Phe Glu Pro Leu Val Glu
275	280	285
Asp Met Gln Arg Gln	Trp Ala Gly Leu Val	Glu Lys Val Gln Ala Ala
290	295	300
Val Gly Thr Ser Ala	Ala Pro Val Pro Ser	Asp Asn His
305	310	315

<210> 18  
 <211> 317  
 <212> PRT  
 <213> Homo sapiens

<400> 18

Met Lys Val Leu Trp	Ala Ala Leu Leu	Val Thr Phe Leu	Ala Gly Cys
1	5	10	15
Gln Ala Lys Val Glu	Gln Ala Val Glu	Thr Glu Pro Glu	Pro Glu Leu
20	25	30	
Arg Gln Gln Thr Glu	Trp Gln Ser Gly	Gln Arg Trp Glu	Leu Ala Leu
35	40	45	
Gly Arg Phe Trp Asp	Tyr Leu Arg Trp	Val Gln Thr Leu	Ser Glu Gln
50	55	60	
Val Gln Glu Glu Leu	Leu Ser Ser Gln	Val Thr Gln Glu	Leu Arg Ala
65	70	75	80
Leu Met Asp Glu Thr	Met Lys Glu Leu	Lys Ala Tyr Lys	Ser Glu Leu
85	90	95	
Glu Glu Gln Leu Thr	Pro Val Ala Glu	Glu Thr Arg Ala	Arg Leu Ser
100	105	110	
Lys Glu Leu Gln Ala	Ala Gln Ala Arg	Leu Gly Ala Asp	Met Glu Asp
115	120	125	
Val Cys Gly Arg Leu	Val Gln Tyr Arg	Gly Glu Val Gln	Ala Met Leu
130	135	140	
Gly Gln Ser Thr Glu	Glu Leu Arg Val Arg	Leu Ala Ser His	Leu Arg
145	150	155	160
Lys Leu Cys Lys Arg	Leu Leu Arg Asp	Ala Asp Asp Leu	Gln Lys Arg
165	170	175	
Leu Ala Val Tyr Gln	Ala Gly Ala Arg	Glu Gly Ala Glu	Arg Gly Leu
180	185	190	
Ser Ala Ile Arg Glu	Arg Leu Gly Pro	Leu Val Glu Gln	Gly Arg Val
195	200	205	
Arg Ala Ala Thr Val	Gly Ser Leu Ala	Gly Gln Pro Leu	Gln Glu Arg

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